

In The Specification

Please replace the abstract with the following amended abstract.

ABSTRACT

A focusing device [(1)] with a refractive index profile changing from the center of the focusing device [(1)] towards its perimeter [(3)], is made of a material wherein the lateral refractive index distribution of the focusing device material is homogeneous and wherein the focusing device [(1)] comprises holes [(2)] for introducing a graded refractive index profile. This allows accurate control of the graded refractive index profile.